

MEDICAL DEVICE FOR DELIVERING BIOLOGICALLY ACTIVE MATERIAL
ABSTRACT OF THE INVENTION

A medical device for delivering a biologically active material into a body tissue, comprising struts and optionally the biologically active material. In an embodiment, the medical device comprises non-structural elements integral with the struts. A method for designing such medical device are also disclosed. Another embodiment is a medical device having an outer surface comprising a middle section and end sections. The end sections have a greater available surface area, greater affinity for or a greater amount of the biologically active material per unit length of the outer surface than the middle section. The middle section may be covered with a barrier layer. Another embodiment is a medical device comprising a rectangular portion having a greater capacity for carrying a biologically active material per unit length of the outer surface. A method for delivering a biologically active material to a body tissue is also disclosed.